| Inde | ex of | Claims |  |
|------|-------|--------|--|
|      |       |        |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|--|--|
| 10/715,040              | SU ET AL.                               |  |  |  |  |  |  |  |  |
| Examiner                | Art Unit                                |  |  |  |  |  |  |  |  |
| LoAn H. Thanh           | 3763                                    |  |  |  |  |  |  |  |  |

| ′ | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
|   | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  | Α | Appeal   |
|---|--------------|---|----------|
| ı | Interference | 0 | Objected |

|          |          |          |  |          |  |              |  |  |                 | _        |          |            |          |          |          | _        |          |          |          |          |           |          |            |                    |                |   |
|----------|----------|----------|--|----------|--|--------------|--|--|-----------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|------------|--------------------|----------------|---|
| Cla      | im       |          |  |          | C  | Date         | •  |  |                 | 4        | Cla      | Claim Date |          |          |          |          |          |          | 4        | Claim    |           |          |            |                    |                |   |
| Finat    | Original | 1/19/06  |  |          |  |              |  |  |                 |          | Final    | Original   |          |          |          |          |          |          |          |          |           | Final    | Original   |                    |                |   |
|          | 1        | 1        | $\vdash$   | $\dashv$ | $\dashv$                                     | $\dashv$     | $\vdash$   | $\dashv$   |                 | 1        |          | 51         | $\dashv$ | $\dashv$ | 寸        | 7        | $\dashv$ | _        | 寸        | $\dashv$ | $\dashv$  |          | 101        |                    | コ              | _ |
|          | 2        | Ì        | Н  |          |  | П            |  |  | -               | 1        | <u> </u> | 52         | 寸        | 1        | $\neg$   | ヿ        | 一        | ヿ        | 寸        | ヿ        | _         |          | 102        |                    | 一              | _ |
|          | 3        | 7        | П  |          |  |              |  |  |                 | 1        |          | 53         | 7        | 寸        |          |          |          |          |          | ヿ        |           |          | 103        |                    | $\neg$         | Γ |
|          | 4        | 1        |  |          |  |              |  |  |                 | ٦        |          | 54         |          | $\neg$   | $\neg$   |          |          |          |          | $\neg$   |           |          | 104        | П                  |                | Ī |
|          | 5        | 1        |  |          |  |              |  |  |                 | 1        |          | 55         |          | T        | 寸        |          |          |          | $\neg$   |          |           |          | 105        |                    | $\Box$         | Ī |
|          | 6        |          |  |          |  |              |  |  |                 | 7        |          | 56         |          | $\neg$   |          | 丁        |          |          |          |          |           |          | 106        |                    |                | Ī |
|          | 7        |          |  |          |  |              |  |  |                 | 1        |          | 57         |          |          |          |          |          |          |          |          |           |          | 107        |                    |                | Ī |
|          | 8        |          |  |          |  |              |  |  |                 | 1        |          | 58         |          |          |          |          |          |          |          |          |           |          | 108        |                    |                | L |
|          | 9        |          |  |          |  |              |  |  |                 | 7        |          | 59         |          |          |          |          |          |          |          |          |           |          | 109        |                    |                | L |
|          | 10       |          |  |          |  |              |  |  |                 | ]        |          | 60         |          |          |          |          |          |          |          | _        | _         |          | 110        | Ш                  |                | L |
|          | 11       |          |  |          |  |              |  |  |                 | ]        |          | 61         |          |          | _        |          | $\Box$   |          |          |          |           |          | 111        | Ш                  |                | L |
|          | 12       |          |  |          |  |              |  |  |                 |          | Ĺ        | 62         |          | $\Box$   | $\perp$  | 1        |          |          |          | _        | _         |          | 112        | Ш                  | Ш              | L |
|          | 13       |          |  |          |  |              | Ш  |  |                 | _        |          | 63         |          | _        |          |          | $\dashv$ | _        |          | _        | _         |          | 113        |                    | Ш              | L |
|          | 14       | L        |  |          |  |              | Ш  |  |                 | _        |          | 64         |          | _        | _        |          | _        | _        |          | 4        |           | <u></u>  | 114        | $\square$          | $\vdash$       | _ |
|          | 15       |          | L  |          |  | lacksquare   |  |  | _               | 4        |          | 65         | _        |          |          | _        | _        | _        |          |          | _         | <u> </u> | 115        | -                  | Ш              | L |
|          | 16       | _        | _  | _        | L  |              | Щ  |  |                 | 4        | L        | 66         | _        | _        | _        | _        |          | _        |          | _        | _         |          | 116        | -                  | Н              | H |
|          | 17       | <u> </u> |  |          |  | <u> </u>     |  | _  | $\perp$         | 4        | -        | 67         |          |          | -        |          | _        | ᅴ        |          | $\dashv$ | _         | -        | 117        |                    | Н              | H |
|          | 18       | _        |  |          |  | ᆫ            | Ш  |  |                 | 4        |          | 68         |          |          |          | _        |          | _        |          | -        | _         | -        | 118<br>119 | -                  | $\vdash\vdash$ | - |
|          | 19       | _        | <u> </u>   | _        | <u> </u>                                     | ļ            |  |  |                 | 4        |          | 69         | $\dashv$ | -        |          | -        | $\dashv$ |          |          | $\dashv$ | _         | -        | 120        | $\vdash$           | $\vdash$       | H |
|          | 20       |          |  |          |  | <u> </u>     | Ш  | _  | $\vdash$        | 4        | -        | 70         | $\dashv$ |          |          |          |          |          | -        |          | $\dashv$  | -        | 121        | $\vdash$           | Н              | H |
|          | 21       | _        | _  | <u> </u> | _  | <u> </u>     | _  |  |                 | 4        | <u> </u> | 71         |          | -        | $\dashv$ | -        |          |          | Н        | -        |           | -        | 122        | $\vdash$           | Н              | H |
|          | 22       |          | _  | _        | <u>                                     </u> | ļ            | _  | _  | -               | -        |          | 72         | $\vdash$ | $\dashv$ | $\dashv$ |          | $\vdash$ |          | $\vdash$ | $\dashv$ |           | <u> </u> | 123        | H                  | Н              | H |
|          | 23       | <u> </u> | _  | <u> </u> | -  | ┡            |  | _  | $\vdash$        | ┨        |          | 73<br>74   | $\vdash$ |          | $\dashv$ | -        | -        | _        | Н        |          | $\dashv$  | -        | 124        | $\vdash$           | H              | H |
|          | 24       | ⊢        | <u> </u>   | <u> </u> | <u> </u>                                     | <u> </u>     | Н  |  | -               | 4        | -        | 75         | $\vdash$ | -        |          | _        | $\dashv$ |          |          | $\dashv$ | $\dashv$  | -        | 125        | $\vdash$           | $\vdash$       | H |
|          | 25       | <u> </u> | ├  | ⊢        | <u> </u>                                     |              | _  | _  | $\vdash$        | 4        | ├        | 76         | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ |          | $\vdash$ | $\dashv$ |           | <b>—</b> | 126        | Н                  | Н              | H |
|          | 26       | ├        | ⊢  | ⊢        | <u> </u>                                     | ├            | -  | _  | $\vdash$        | 4        | -        | 77         | $\vdash$ | -        | -        | $\dashv$ | $\dashv$ | _        | Н        |          |           | <b>—</b> | 127        | Н                  | -              | t |
|          | 27       | ⊢        | -  | $\vdash$ | ⊢  | ├            |  | -  | $\vdash$        | -        | -        | 78         | $\vdash$ | $\dashv$ |          |          | $\vdash$ |          | Н        |          | $\dashv$  | <u> </u> | 128        | Н                  | $\vdash$       | t |
|          | 28<br>29 | ⊢        | ├  | _        | $\vdash$                                     | ├            | H  |  | <del>-  -</del> | $\dashv$ | -        | 79         | Н        |          | -        | -        | Н        | _        | $\vdash$ |          | ᅱ         | $\vdash$ | 129        | Н                  |                | t |
| _        | 30       | ⊢        | ┢  | -        | ⊢  | ┢            |  |  | $\vdash$        | ┨        | -        | 80         | Н        | $\dashv$ | -        | $\neg$   | Н        | _        | $\vdash$ | -        | $\dashv$  | $\vdash$ | 130        | $\vdash$           |                | t |
| $\vdash$ | 31       | ┢        | ├  | -        | ┢  | ⊢            | $\vdash$   | -  | ⊢┼              | ┨        | -        | 81         | H        | $\dashv$ | $\dashv$ | -        | Н        | Н        | -        |          | $\dashv$  |          | 131        | $\vdash$           | П              | t |
| <u> </u> | 32       | ╀        | ┢  | -        | -  | $\vdash$     | ┢  | ┢  | <del>   -</del> | ┨        | _        | 82         | H        |          | _        | $\dashv$ | Н        | _        |          |          | $\dashv$  | -        | 132        |                    | Г              | t |
| -        | 33       | ╁        | ╁╌   | -        | $\vdash$                                     | ╁╌           |  | $\vdash$   | $\vdash$        | -        | -        | 83         | Н        |          | $\dashv$ |          |          | _        | $\vdash$ |          |           | $\vdash$ | 133        | $\Box$             |                | t |
| -        | 34       | ╁        | <del>                                     </del> | $\vdash$ | 1  | $\vdash$     | <del>                                     </del> | ┢  | $\vdash \vdash$ | 1        |          | 84         |          | $\dashv$ | $\dashv$ |          |          | <u> </u> |          |          | $\exists$ |          | 134        | П                  | Г              | t |
| -        | 35       | $\vdash$ | $\vdash$   | $\vdash$ | Н  | t            | $\vdash$   | <del>                                     </del> | $\vdash \vdash$ | 7        |          | 85         | $\vdash$ | $\neg$   |          |          | $\vdash$ | _        | $\vdash$ |          | $\neg$    |          | 135        | $\sqcap$           |                | ٢ |
| <u> </u> | 36       | 1        | $t^-$  | $\vdash$ | 1  | <u> </u>     | Т  | $\vdash$   | $\vdash$        | ┪        |          | 86         | $\Box$   |          |          | _        |          | Т        |          |          | $\neg$    |          | 136        |                    |                | Γ |
| $\vdash$ | 37       | T        | 厂  | T        |  | 1            |  |  | $\Box$          | 7        |          | 87         | $\Box$   |          |          |          | $\Box$   |          |          |          |           |          | 137        |                    |                | Γ |
| $\vdash$ | 38       | 1        |  | $\vdash$ | Т  | T            | <b>-</b>   | Г  | tt              | 7        | -        | 88         | П        |          |          |          |          |          |          |          |           |          | 138        |                    |                | Γ |
|          | 39       | T        | T  | Ι-       | T  | Т            |  |  | $\sqcap$        | ٦        |          | 89         | П        |          |          |          |          |          |          |          |           |          | 139        |                    |                | ſ |
|          | 40       | T        | Т  | Г        | 1  |              | Π  | Г  | П               | 7        |          | 90         |          |          |          |          |          |          |          |          |           |          | 140        |                    |                | ſ |
|          | 41       | Г        | Τ  | Г        | П  | П            |  |  |                 |          |          | 91         |          |          |          |          |          |          |          |          |           |          | 141        |                    | $\Box$         | Ĺ |
|          | 42       |          |  |          | L  |              |  |  |                 |          |          | 92         |          |          |          |          |          | 匚        | 匚        |          |           |          | 142        | 1_                 | $\vdash$       | 1 |
|          | 43       |          | L  |          |  |              |  |  |                 |          |          | 93         |          |          |          |          |          | L        | _        | Ш        |           |          | 143        | $ldsymbol{f\perp}$ | <u> </u>       | ļ |
|          | 44       |          |  |          |  |              |  |  |                 |          |          | 94         |          |          |          |          |          | _        | _        |          |           | <u> </u> | 144        |                    | $\vdash$       | 1 |
|          | 45       |          |  |          | 匚  |              |  |  |                 | _        |          | 95         |          |          |          |          |          | <u> </u> | <u>_</u> | Ш        | Щ         | <u> </u> | 145        |                    | $\vdash$       | 1 |
|          | 46       |          |  | Ľ        |  | $oxed{\Box}$ | L  | L_   | $\sqcup \bot$   | 4        |          | 96         | Ш        |          | Щ        |          | _        | <u> </u> | <u> </u> |          | Щ         | 1_       | 146        | $\vdash$           | $\vdash$       | ļ |
|          | 47       |          |  | $\Box$   |  | <u> </u>     | ┖  | L_   |                 | 4        |          | 97         | Ш        |          | Щ        | _        | _        |          | _        |          | Щ         |          | 147        |                    | <del> </del>   | ļ |
| <u> </u> | 48       | $\perp$  | 1  | $\vdash$ | <u> </u>                                     | 1            | ↓_   | _  | $\sqcup$        | 4        | $\vdash$ | 98         | Ш        |          | Ш        |          | ⊢        | ⊢        | <b> </b> | <u> </u> | $\square$ |          | 148        |                    | ├              | + |
| <u></u>  | 49       | $\vdash$ | $\perp$  | _        | 1_   | 4_           | <u> </u>   | <u> </u>   | $\sqcup$        | 4        | <u> </u> | 99         | $\Box$   | Щ        | L        | _        | <u> </u> | <u> </u> | <b>!</b> | <u> </u> | $\vdash$  | -        | 149        | $\vdash$           | $\vdash$       | + |
|          | 50       |          |  | <u> </u> | L  | <u>L</u>     |  | <u> </u>   | $\sqcup \bot$   | ┚        |          | 100        | L        |          | L        | L        |          |          | <u></u>  |          |           |          | 150        |                    | <u></u>        | 1 |

| Cla  | aim                                    |  | _        |          | _        | ate       | •            |          |          | _  |  |  |
|--|--|--|----------|----------|----------|-----------|--------------|----------|----------|--|--|--|
| Final  | Original                               |  |          |          |          |           |              |          |          |  |  |  |
|  | 101<br>102                             |  |          |          |          |           |              |          |          |  |  |  |
|  | 102                                    |  |          |          |          |           |              |          |          |  |  |  |
|  | 103                                    |  |          |          |          |           |              |          |          |  |  |  |
|  | 104                                    |  |          |          |          |           |              |          | $\dashv$ | _  |  |  |
|  | 105                                    |  | _        | _        |          | _         | Щ            |          | $\dashv$ |  |  |  |
|  | 106<br>107                             |  |          | ⊢        |          |           | Н            |          | $\dashv$ | _  |  |  |
|  | 107                                    |  | —        | ┝        | _        | _         | -            | _        | -        | ᅱ  |  |  |
|  | 109                                    | $\vdash$   | _        |          |          | $\vdash$  |              | -        |          | $\dashv$   |  |  |
|  | 110                                    | Н  |          |          |          |           | $\vdash$     | _        |          | ᅥ  |  |  |
| -  | 111                                    |  |          |          |          |           |              |          |          | ᅵ  |  |  |
|  | 112                                    |  |          | Γ        |          |           |              |          |          |  |  |  |
|  | 111<br>112<br>113<br>114<br>115        |  |          |          |          |           |              |          |          |  |  |  |
|  | 114                                    |  |          |          |          |           |              |          |          |  |  |  |
|  | 115                                    | Щ  |          | <u> </u> | L_       | <u>L</u>  | _            | <u>_</u> | Ш        | _  |  |  |
|  | 116                                    | _  | _        | <u> </u> | <u> </u> | _         | _            | <u> </u> |          | $\square$  |  |  |
|  | 117<br>118                             |  |          | <u> </u> | <u> </u> | <u> </u>  |              | _        |          |  |  |  |
|  | 118                                    | _  | _        | -        | ⊢        | ⊢         |              | -        | H        | {  |  |  |
|  | 119                                    | $\vdash$   |          | ⊢        |          | _         | ┝            | ├        | $\vdash$ | $\dashv$   |  |  |
|  | 120                                    | -  |          | $\vdash$ | -        | -         | -            | $\vdash$ | -        | Н  |  |  |
|  | 120<br>121<br>122                      | -  | -        | ╫┈       | -        | -         | $\vdash$     | $\vdash$ |          | $\dashv$   |  |  |
| _  | 123                                    | ┢  | _        | ┢        | $\vdash$ |           |              | 1        | $\vdash$ | $\neg$   |  |  |
|  | 123<br>124                             | $\vdash$   |          | $\vdash$ | _        |           |              |          | _        |  |  |  |
|  | 125                                    |  | Г        |          |          |           | Π            |          |          |  |  |  |
|  | 126                                    |  |          |          |          |           |              |          |          |  |  |  |
|  | 127                                    |  | Ĺ        | L        | _        | L         | $oxed{oxed}$ | _        |          | Ш  |  |  |
|  | 125<br>126<br>127<br>128<br>129<br>130 | _  |          | ╙        | _        | <u> </u>  | 乚            | <u> </u> | _        | Ш  |  |  |
|  | 129                                    | <u> </u>   | Ĺ        | <u> </u> | <u> </u> | Ь         | <u> </u>     | _        | _        | Ш  |  |  |
|  | 130                                    |  | L        | -        | H        | -         | ⊢            |          | -        | =  |  |  |
| -  | 131<br>132<br>133                      | ├  | ⊢        | -        | ├        | -         | H            |          | -        | -  |  |  |
|  | 132                                    | <del>                                     </del> |          | ┢        | ┢┈       | ┢         | ├            | $\vdash$ | ╁        | -  |  |  |
|  | 134                                    | $t^-$  | ┝        | $\vdash$ | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$ | -        | Н  |  |  |
|  | 134<br>135                             | <b>†</b>   | $\vdash$ |          | T        | T         | 1            |          |          |  |  |  |
|  | 136                                    |  | Т        | 1        |          |           | ऻ            | Г        |          |  |  |  |
|  | 137<br>138                             |  |          |          |          |           |              |          |          |  |  |  |
|  | 138                                    |  |          |          |          |           | L            | 匚        |          |  |  |  |
|  | 139                                    | _  | _        | ╙        | <u> </u> | _         | <u> </u>     | <u> </u> | <u> </u> |  |  |  |
| <u> </u>   | 140                                    | ـ  | ļ_       |          | <u> </u> | $\vdash$  | ـ            | <u> </u> | $\vdash$ | _  |  |  |
| <u> </u>   | 141                                    | $\vdash$   | -        | <u> </u> | L        |           | $\vdash$     | $\vdash$ | ⊢        | -  |  |  |
| <u> </u>   | 142                                    | <del> </del>                                     | $\vdash$ | ╁        | $\vdash$ | ╀         | ╀            | $\vdash$ | -        | $\vdash$   |  |  |
| <u> </u>   | 144                                    | $\vdash$   | -        | ╀        | ╁        | ┼-        | ╀            | ╁        | ╁        | $\vdash$   |  |  |
| <del>                                     </del> | 145                                    | +-   | $\vdash$ | +        | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$   |  |  |
|  | 146                                    | 1-   | H        | $\vdash$ | $\vdash$ | $\vdash$  | ╁            | 1        | ✝        | <del>                                     </del> |  |  |
| -  | 147                                    | T  | $\vdash$ | $\vdash$ | 1        | $\vdash$  | T            | 1        | $I^-$    | $\vdash$   |  |  |
|  | 148                                    | $\vdash$   |          | †        |          | $\dagger$ | Т            | Т        | 1        | T  |  |  |
|  | 149                                    |  | Г        |          |          | Г         |              |          | Γ        |  |  |  |
|  | 150                                    |  |          | L        |          |           |              |          |          |  |  |  |
|  |  |  | _        |          |          |           |              |          |          |  |  |  |